Developmental Medicine & Child Neurology Volume 25 1983

INDEX

Authors and subjects of articles in the body of the journal are indexed together. Abstracts are included in the general index and listed under both subjects and authors, with '(abstr.)' at the end of the title. Letters to the Editor are indicated by the symbol '(L)'.

KEYS TO ISSUES AND PAGES			
Issue	Pages	Issue	Pages
No. 1	1-140	No. 4	415-555
No. 2	141-280	No. 5	557-689
No. 3	281-413	No. 6	691-835

Abortion, threatened, fetal growth delay in: ultrasound study (abstr.), 275

ACCARDO, P. See CAPUTE, A., 115

Accidents and handicap, 654

Acetabular anteversion, role in computed tomography of congenital dislocation of the hip (abstr.), 137

Acetylcholine receptor, immune responses to, suppression with monoclonal anti-I-A antibody in vivo therapy (abstr.), 687

Achondroplasia, 100(L)

ACTH therapy, children with infantile spasms on, sequential CT studies, 475

Activity level, measurement with actometers: reliability, validity and arm length (abstr.), 831

Addinolfi, M. and Brown, S.: Monoclonal anti-

bodies against brain antigens, 651 Adolescents. See also Teenagers

EEG findings (abstr.), 272

headaches in, temporomandibular joint paindysfunction as rare cause of, 601

head-injured, ectopic bone formation in (abstr.), 111

orthopaedics, 806

with myelomeningocele, locomotion in, energy consumption of (abstr.), 115

Adoption of children with medical handicap (abstr.), 685

Adults, multihandicapped, life outcomes and satisfaction ratings, 625
Aggressive behaviour, drugs in (abstr.), 136

AGRE, J. C. See FINDLEY, T. W., 115 AHLFORS, C. E. See WENNBERG, R. P., 135

AICARDI, J.: Neonatal spinal-cord dysfunction, 100(L). See also VAJDA, F. J. E., 660

AIUTI, F. See IANNETTI, P., 272

ALBERTS, E., KALVERBOER, A. F. and HOPKINS, B.: Mother-infant dialogue in the first days of life: observational study during breast-feeding (abstr.), 688

ALLEY, T. R.: Growth-produced changes in body shape and size as determinants of perceived age and adult caregiving (abstr.), 689

ALVORD, E. C., Jr. See Fuller, P. W., 214

Ambulation, long-term, in spina bifida (abstr.), 110American Academy for Cerebral Palsy and Developmental Medicine, Annual Meeting, San Diego, 1982: Report, 102

American and Gusii newborns, motor performance: Neonatal Behavioural Assessment Scale (abstr.), 138

γ-Aminobutyric acid, CSF concentrations, in the newborn (abstr.), 830

ANDERSON, A. D. See WILLIAMS, L. O., 617 ANDERSON, D. L. See VANDELL, D. L., 278

Anencephalus in a low-risk area, 632

ANGELINI, L., BROGGI, G., NARDOCCI, N. and SAVOIARDO, M.: Subacute cervical myelopathy in a child with cerebral palsy, secondary to torsion dystonia? (abstr.), 408. See also BROGGI, G., 277

ANNOTATIONS

Academic pediatric neurologist, is he an endangered specie? 95

Accidents and handicap, 656

Brain transplants, 654

Casting as an adjunct to neurodevelopmental therapy for cerebral palsy, 804

Cerebral gigantism, 248

Congenital dislocation of the hip, treatment, 97 Craniocervical abnormal ties in Down's syndrome, Annotations, cont.

Kindling, 377

Lumbo-peritoneal shunting—a forgotten operation? 380

Medulloblastoma, modern approaches to the treatment of, 245

Menses and moon phases, ovulation and seasons, vitality and month of birth, 527

Monoclonal antibodies against brain antigens, 651
Paralytic subluxation and dislocation of the hip in myelomeningocele, management, 374

Spinal tumours in children, 801

Antenatal treatment of hydrocephalus by ventriculoamniotic shunting (abstr.), 551

Anticonvulsant plasma levels, therapeutic range, 660 Anticonvulsive drugs and cognitive functions (abstr.), 550

ARAM, D. M. and HORWITZ, S. J.: Sequential and non-speech praxic abilities in developmental verbal apraxia, 197

Arm-span measurement, in children with myelomeningocele, 338

ARMSTRONG, R. W. and ROSENBAUM, P. L.: Measuring children's attitudes towards disabled peers (abstr.), 107

Arthrogryposis following maternal hypotension, 648 ARTS, W. F. M. See BAK, E., 81

ASHBY, S. See BRITTON, S. B., 276

Asphyctic fetus, visual evoked potential, measurement (abstr.), 410

ASTBURY, J., ORGILL, A. A., BAJUK, B. and YU, V. Y. H.: Determinants of developmental performance of very low-birthweight survivors at one and two years of age, 709

one and two years of age, 709
ATKINSON, S. and STANLEY, F. J.: Spastic diplegia among children of low and normal birthweight, 693
Atlanto-axial subluxation in children with Down's

syndrome (abstr.), 108

Attentional deficits in learning-disabled children: eye movements during reading (abstr.), 410

in seven-year-olds, neurological and neurodevelopmental aspects, 315

Auditory

brainstem response in a newborn infant with hyperbilirubinemia: exchange transfusion (abstr.), 135

deprivation, effect on lateral preference of deaf children, 207

Autism, association with fragile-X syndrome (abstr.), 833

children, cognitive development, assessment by nonverbal Piagetian tasks (abstr.), 410

Autosomal

dominant disorder (Bannayan syndrome) (abstr.), 139

fragile sites, genetic aspects (abstr.), 835

recessive muscular dystrophy, severe, in an extended Sudanese kindred, 43

AVITAL, A., MAAYAN, C. and GOITEIN, K. J.: Incidence of convulsions and encephalopathy in childhood shigella infections (abstr.), 689

BAJUK, B. See ASTBURY, J., 709

BAK, E., DONGEN, H. R. VAN and ARTS, W. F. M.:
 Analysis of acquired dysarthria in childhood, 81
 Bannayan syndrome, an autosomal dominant

disorder (abstr.), 139

BANNISTER, C. M.: Lumbo-peritoneal shunting—a forgotten operation? 380

BANTA, J. V., CASEY, J. M., BEDELL, L. and

MORGAN, J.: Long-term ambulation in spina bifida (abstr.), 110

CHAMBERS, C., McConnell, T. and Hankins, B.: Energy requirements of gait (abstr.), 115

BARASSO, J. A., WILE, P. B. and GAGE, J. R.: Extraarticular subtalar arthrodesis with internal fixation (abstr.), 113 BARTO, P. S., SUPINSKI, R. S. and SKINNER, S. R.:

Barto, P. S., Supinski, R. S. and Skinner, S. R.: Dynamic EMG findings in varus hindfoot (abstr.),

115. See also JANDRA, J. P. S., 117 BASHAM, R. B. See CRNIC, K. A., 555

Batten's disease. See Neuronal ceroid lipofuscinosis BAUER, S. See KHOSHBIN, S., 104

BAUMGARTNER, M. C. See BLASCO, P. A., 642 BAX, M.: Brain ahead, the, 557

Child abuse and cerebral palsy, 141
Following up the small baby, 415

Keeping up-to date, 1

Sleep, 281 BAYOUMI, R. A. See SALIH, M. A. M., 43

BECKWITH, L. See UNGERER, J. A., 297 BEDELL, L. See BANTA, J. V., 110 BEGGS, V. E. See LAHEY, B. B., 410

Behaviour

deviance: biological basis of social interactions (abstr.), 687

problems: three-year follow-up at age 10 of children with minor neurodevelopmental disorders, 438

Rutter's 'Children's Behaviour Questionnaire', factor structure, in a primary school population in a developing country (abstr.), 555

spontaneous to instrumental: kinematic analysis of movement changes during very early learning (abstr.), 554

BEJAR, R., MERRITT, T. A. and TRICE, J. E.: The contribution of normal labor to the genesis of intraventricular hemorrhage and cerebral palsy in preterm infants (abstr.), 103

BENDER, B., FRY, E., PENNINGTON, B., PUCK, M., SALBENBLATT, J. and ROBINSON, A.: Speech and language development in 41 children with sex chromosome anomalies (abstr.), 830. See also PENNINGTON, B. F., 553

BENNETT, H. S., DUNLOP, T. and ZIRING, P.: Reduction of polypharmacy for epilepsy in an institution for the retarded, 735

BERCIANO, J. See CORIA, F., 252

BERGER, A., DAR, H., BOROCHOWITZ, Z. and WINTER, S. T.: Non-traumatic coma in childhood: clinical variables in prediction of outcome, 493
BICKERS, E. See WENNBERG, R. P., 135

Bililrubin, unbound, and kernicterus, in low-birthweight infants (abstr.), 138

Biological basis of social interactions: behavioural deviance (abstr.), 687

Biological factors in mild mental retardation, 580 Biomechanical measurement of spastic plantarflexors, 60

BIRNHOLZ, J. C. See FRIGOLETTO, F. D., 551

BIRRELL, J., FROST, G. J. and PARKIN, J. M.: Development of children with congenital hypothyroidism, 512

and 'bonding' in non-industrial societies, 595 month of, vitality and, 527

premature. See Premature birth

Birthweight

1500 grams or less, children of, learning disabilities in (abstr.), 686 less than 801 gm: is intensive care necessary?

(abstr.), 276

low

and normal, children of: spastic diplegia in, 693 infants of: unbound bilirubin and kernicterus (abstr.), 138

very low

neurobehaviour in, predicted by periventricular low density, 559

survivors: developmental performance at one and two years of age, 709

dysfunction, neurogenic, children with: implantable urinary sphincter for (abstr.), 103

neurogenic

children with, clean intermittent catheterisation and adjuvant therapy (abstr.), 105 symptomatic, in a cerebral-palsy population (abstr.), 105, 612

BLAIR, E. See STANLEY, F., 258(L)

BLASCO, P. A., BAUMGARTNER, M. C. and MATHES, B. C.: Literature for parents of children with cerebral palsy, 642

BLOM, S. and HEIJBEL, J.: Benign epilepsy of children with centrotemporal EEG foci: follow-up study in adulthood of patients initially studied as children (abstr.), 832

Blood-CSF barrier, development, 152

Body shape and size, growth-produced changes as determinants of perceived age and adult caregiving (abstr.), 689

Body size, Guatemala City schoolchildren, relation to socioeconomic status and sex (abstr.), 552

BODZINER, R. A., SINGER, W. and HEDGES, T. R.: Bilateral internuclear ophthalmoplegia in meningoencephalitis, 819(L)

BOGIN, B. and MACVEAN, R. B.: Relationship of socioeconomic status and sex to body size, skeletal maturation, and cognitive status of Guatemala City schoolchildren (abstr.), 552 'Bonding' and birth in non-industrial societies, 595

BONO, R. See BROGGI, G., 277

BOOK REVIEWS

ASTELL-BURT, C.: Puppetry for Mentally Handicapped, 678

BANGS, T. E.: Language and Learning Disorders of the Pre-academic Child, with Curriculum Guide, 2nd Edn., 399

BANNERMAN, R. H., BURTON, J. and WEN-CHIEH, CH.: Traditional Medicine and Health Care Coverage: A Reader for Health Administrators and Practitioners, 824

BARAITSER, M.: The Genetics of Neurological Disorders, 262

BARSON, A. J. (Ed.): Fetal and Neonatal Pathology: Perspectives for the General Pathologist, 128

BRAINERD, C. J. and PRESSLEY, M. (Eds.): Verbal Processes in Children. Progress in Cognitive Developmental Research, 264

BROSNAN, B.: Yoga for Handicapped People, 127 CANTOR, S.: The Schizophrenic Child: A Primer for Parents and Professionals, 122

CASTON, D.: Easy to Make Toys for Your Handicapped Child, 543

CHRISTIAN MEDICAL FELLOWSHIP. God and the Handicapped Child, 126

DICKERSON, J. W. T. and McGURK, H. (Eds.): Brain and Behavioural Development, 121

Evans, M. M. (Ed.): Dyslexia: An Annotated Bibliography, 123

FARMER, T. W. (Ed.): Pediatric Neurology, 3rd Edn., 676

Book reviews, cont.

FEINGOLD, M. and PASHAYAN, H.: Genetics and Birth Defects in Clinical Practice, 676

GARDINER, P. A.: The Development of Vision, 124 GELLIS, S. S. and KAGAN, B. M. (Eds.): Current Pediatric Therapy, 10th Edn., 401

GENERAL NURSING COUNCIL FOR ENGLAND AND WALES: Co-operation in Training Part 1-Qualifying Training, 126

HALLIDAY, A. M. (Ed.): Evoked Potentials in Clinical Testing. Clinical Neurology and Neurosurgery Monographs, Vol. 3, 396

JONES, D. N. (Ed.): Understanding Child Abuse, 678 JONG, R. N. DE, CURRIE, R. D. and SUGAR, O. (Eds.): Year Book of Neurology and Neurosurgery 1982, 118; 1983, 679

KIERNAN, C., REID, B. and JONES, L.: Signs and Symbols: Use of Non-vocal Communication

Systems, 822

KROG, E. (Ed.): Total Management in Muscular Dystrophy, 120

LAGET, P. and SALBREUX, R.: Atlas of Electroencephalography in the Child, 2nd Edn., 263 LAIDLAW, J. and RICHENS, A. (Eds.): A Textbook

of Epilepsy, 260

MAIBACH, H. I. and BOISITS, E. K. (Eds.): Neonatal Skin; Structure and Function, 261

MARTIN, J. and MONK, J.: Infant Feeding 1980, 125 NEWSON, E. and HIPGRAVE, T.: Getting Through to your Handicapped Child, 398

O'DOHERTY, N.: The Battered Child: Recognition in Primary Care, 121

PARAICZ, E. (Ed.): Intracranial Pressure in Infancy and Childhood, 119

PETTI, T. A.: Childhood Depression, 823

RAMEY, C. T. and TROHANIS, P. L. (Eds.): Finding and Educating High-risk and Handicapped Infants, 397

RICCARDI, V. M. and MULVIHILL, J. J. (Eds.): Neurofibromatosis (von Rechlinghausen Disease). Genetics, Cell Biology and Biochemistry, 399

RICHMAN, N., STEVENSON, J. and GRAHAM, P. J.: Pre-school to School: a Behavioural Study, 400 RIDDICK, B.: Toys and Play for the Handicapped

Child, 402 RORKE, L. B.: Pathology of Perinatal Brain Injury.

ROSE, F. C. (Ed.): Research Progress in Epilepsy,

RUDGE, P.: Clinical Neuro-otology, 543

RUSSELL, R. W. R. (Ed.): Vascular Disease of the Central Nervous System, 544

RUTTER, M. and JONES, R. R. (Eds.): Lead versus Health: Sources and Effects of Low Level Lead Exposure, 544

SAMUELS, M. A.: Manual of Neurologic Therapeutics with Essentials of Diagnosis, 2nd Edn., 398 SARTORIUS, N. and others: Depressive Disorders in

Different Cultures, 677 SCHEERENBERGER, R. C.: A History of Mental Retardation, 401

SCHLEICHKORN, J.: Coping with Cerebral Palsy: Answers to Questions Parents Often Ask, 545

SHEPHARD, R. J.: The Risks of Passive Smoking, 262 SLUCKIN, W., HERBERT, M. and SLUCKIN, A.:

Maternal Bonding, 821
SMALL, L.: The Minimal Brain Dysfunctions. Diagnosis and Treatment, 400

SMITH, D. W.: Recognizable Patterns of Human Malformation: Genetic, Embryonic and Clinical Aspects, 118

SMITH, W. T. and CAVANAGH, J. B. (Eds.): Recent

Book reviews, cont.

Advances in Neuropathology, No. 2, 128

SUGAR, M.: The Premature in Context, 675 VELLUTINO, F. R.: Dyslexia: Theory and Research,

WILLIAMS, P. and SHOULTZ, B.: We Can Speak for Ourselves: Self-advocacy by Mentally Handicapped People, 543

WILSHERE, E. R. (Complr.): Equipment for the Disabled—Wheelchairs, 5th Edn., 263
Equipment for the Disabled: Leisure and Gardening, 5th Edn., 825

WISE, G., BLAW, M. E. and PROCOPIS, P. G.: Topics in Childhood Neurology, Vol. 2, 679

BOOTH, C., MORIN, V. N., WAITE, S. P. and THOMAN, E. B.: Periodic and non-periodic sleep apnea in premature and fullterm infants, 283

BOROCHOWITZ, Z. See BERGER, A., 493 BOYER, B. See HORSTMANN, H. M., 110

BOZYNSKI, M. E., NELSON, M. N., GENAZE, D., CHILCOTE, W. and RAMSEY, R.: Ventricular size and recovery from neonatal intracranial hemorrhage (abstr.), 104

Bracing treatment of scoliosis in cerebral palsy (abstr.), 110

Brain

ahead, the, 557

antigens, monoclonal antibodies against, 651 dysfunction, minimal-auditory brainstem response with and without stimulant medication

(abstr.), 106 transplants, 654

BRAZELTON, T. B. See KEEFER, C. H., 138 Brazelton Neonatal Behavioural Assessment Scale,

modification (abstr.), 138 Breast-feeding, mother-infant dialogue during, in first days of life (abstr.), 688

BREESE, G. R. See GUALTIERI, C. T., 139

BRET, M. D. See TARDIEU, C., 273 BRETT, E. M. See EGGER, J., 32 BRICE, J. See MICHEL, J. M., 239

BRINCHI, V. See CURATOLO, P., 367

BRITTON, S. B., FITZHARDINGE, P. M. and ASHBY, S.: Is intensive care justified for infants weighing less than 801gm at birth? (abstr.), 276

Broggi, G., Angelini, L., Bono, R., Giorgi, C. and NARDOCCI, N.: Stereotactic surgery of abnormal movements: clinical results in 33 cerebral palsy patients (abstr.), 277. See also ANGELINI, L.,

Brooks, D. E. See Woods, J. R., 410 Brooks, J. See Brown, W. T., 833

Brouwer, W. H. See Kalverboer, A. F., 551 Brown, F. R. See Mahoney, W. J., 106

Brown, J. See MINDE, K., 763 Brown, S. See Adinolfi, M., 651

Brown, W. T., JENKINS, E. C., FRIEDMAN, E., BROOKS, J., WISNIEWSKI, J., RAGUTHU, S. and FRENCH, J.: Autism is associated with the fragile-X syndrome (abstr.), 833

Browning, W. H., ROSENKRANTZ, H. and TARQUINIO, T.: Computed tomography in congenital dislocation of the hip: role of acetabular anteversion (abstr.), 137

BRUBAKER, C. E. See NWAOBI, O. M., 175

BRUCE, R. L., HILSON, D., STEPTOE, P. C., EDWARDS, R. G. and Purdy, J. M.: Assessment of two children born after in vitro fertilisation, 258(L)

BRÜLL, D. See HABEDANK, M., 408 BRYSON, C. Q. See LIECHTY, E. A., 162 BUCKLER, J. M. H. See CRAWFORD, M. J., 370 BULL, M. J. See LIECHTY, E. A., 162

BURKE, S. W. and MATIKO, J.: Segmental spinal instrumentation in neuromuscular spine deformity (abstr.), 110 Motorized wheelchair mobility and young disabled

children (abstr.), 108

BUTLER, C., OKAMOTO, G. O. and McKAY, T. M .: Powered mobility for very young disabled children,

Cable-type reciprocating gait orthosis in myelomeningocele (abstr.), 116

CADMAN, D., JOHNSON, C. and HODGSON, C.: Using parental and community preferences and values in decision-making in developmental medicine (abstr.), 107

CAMPBELL, J. See WATERS, R. L., 184; WILLIAMS, L. O., 617

CAMPBELL, M., COHEN, I. L. and SMALL, A. M.: Drugs in aggressive behaviour (abstr.), 136 CANDAGE, R. C. See ROSENTHAL, R. K., 113

CANN, H. See STEINMAN, L., 87

CAPLAN, B. and KINSBOURNE, M.: Cognitive style and dichotic asymmetries of disabled readers (abstr.), 831

CAPUTE, A., PALMER, F., SHAPIRO, B., WACHTEL, A., SCHMIDT, S. and ACCARDO, P.: The clinical linguistic and auditory milestone scale in infancy (CLAMS): initial validation (abstr.), 115

CAPUTE, H. See MAHONEY, W. J., 106

Carbamazepine, fetus exposed to, cranial agenesis in, 540(L)

Care-giving, adult, elicitation by growth-produced changes in body shape and size of infants (abstr.),

CARLIOZ, H. See FILIPPE, G., 553 CARLTON, M. See KIESSLING, L. S., 727 CASEY, J. M. See BANTA, J. V., 110

CASHORE, W. J. and OH, W.: Unbound bilirubin and kernicterus in low-birthweight infants (abstr.), 138 Casting, adjunct to neurodevelopmental therapy for cerebral palsy, 804

Catheterisation, clean intermittent, and adjuvant therapy in children with neurogenic bladders (abstr.), 105

CAVAZUTTI, G. B. See FERRARI, F., 450

Central nervous system

dysfunction as early sign of neuronal ceroid lipofuscinosis (Batten's disease), 588 involvement in congenital muscular dystrophies, 32

Cerebral computed tomography in newborn children with large retinal haemorrhages (abstr.), 554 Cerebral gigantism (Sotos syndrome), 248

Cerebral lateralization in children as function of age, measurement (abstr.), 834

Cerebral palsy and child abuse, 141, 169

casting as adjunct for neurodevelopmental therapy, 804

cervical spondylosis with myelopathy as complication of (abstr.), 688

changing picture of (abstr.), 103

children with

parents of, literature for, 642

speech differences in athetoid and spastic types (abstr.), 109

split posterior tibial tendon transfer (abstr.), 109 subacute cervical myelopathy secondary to torsion dystonia? (abstr.), 408

extensor activity, in children, in different seating positions, 175

extra-articular subtalar arthrodesis (abstr.), 113

Cerebral palsy, cont.

flexion contracture of fingers and wrist, treatment by flexor slide operation (abstr.), 111

hemiplegic, children with: differential hemispheric function, 727

hip dislocation: selection for treatment, 738 muscle hypoextensibility in (abstr.), 273, 274 neurogenic bladder, symptomatic, 612

postnatal aetiology, and pertussis and pertussis vaccination, in Western Australia, 257(L),

preterm infants, role of normal labour (abstr.), 103 scoliosis, bracing treatment (abstr.), 110 spastic, internal rotation gait (abstr.), 114

stereotactic surgery of abnormal movements (abstr.), 277

symptomatic neurogenic bladder in a cerebralpalsy population (abstr.), 105 Cerebrospinal fluid, y-aminobutyric acid concen-

trations, of the newborn (abstr.), 830 Cervical spondylosis with myelopathy as a complic-

ation of cerebral palsy (abstr.), 688 CHAMBERS, C. See BANTA, J. V., 115

CHARGE association, and infantile spasms, 367 CHARNEY, E. B. See ROSENBLUM, M. F., 338

CHAWLA, R. K., PARKS, J. S. and RUDMAN, D.: Physiological and pathological variants of human growth hormone, 534

CHILCOTE, W. See BOZINSKI, M. E., 104

Child abuse

and cerebral palsy, 141, 169 intervention in, in Liverpool, 606 mental handicap induced by, 673(L)

Childhood conduction velocity of fibres (abstr.), 409

dysarthria, acquired: analysis, 81 enuresis, nocturnal: alarm treatment, 67

epilepsy. See Epilepsy

hyperactivity, and food additives, 531 motor sensory neuropathies, hereditary, 19 moyamoya, presenting as dementia, 794 non-traumatic coma, 493

psychiatric disorders, prevalence (abstr.), 834 shigella, encephalopathy and convulsions, in hospitalized patients (abstr.), 689

Children

adoption, of children with medical handicap (abstr.), 685

attitude towards disabled peers, (abstr.), 107 autistic, cognitive development, assessment by nonverbal Piagetian tasks (abstr.), 410

bladder dysfunction, neurogenic: implantable urinary sphincter for (abstr.), 103

centrotemporal EEG foci, benign epilepsy in: follow-up in adulthood (abstr.), 832 cerebral lateralization as function of age, measure-

ment (abstr.), 834 cerebral palsy

extensor activity, in different seating positions, 175

muscle hypoextensibility (abstr.), 273, 274 parents of, literature for, 642

speech differences in spastic and athetoid types (abstr.), 109

split posterior tibial tendon transfer (abstr.), 109

and hearing: evaluative understanding and roletaking ability (abstr.), 552

lateral preference: effects of auditory and linguistic deprivation, 207

motor development (abstr.), 411

Children, cont.

developmental verbal dyspraxia, spelling performance of children with, 430

differential hemispheric function, in hemiplegic cerebral palsy, 727

disabled, young, and motorized wheelchair mobility (abstr.), 108

Down's syndrome, atlanto-axial subluxation (abstr.), 108

Duchenne muscular dystrophy, parents of boys with, 466

EEG findings (abstr.), 272

epileptic

mortality and clinical features (abstr.), 554 sister chromatid exchanges during long-term therapy with phenytoin (abstr.), 408 gait, energy requirements (abstr.), 115

genetic peripheral neuropathies in Swedish

children, nosology, 3

Guatemala City schoolchildren, socioeconomic status and sex, relation to body size, skeletal maturation, and cognitive status (abstr.), 552

head movements, abnormal, of young children, 384 head-injured, ectopic bone formation in (abstr.),

hemophilia, severe, treatment of hypertrophic synovitis and recurrent hemarthrosis (abstr.),

hyperactive

drug treatment, 358

mother-child interactions (abstr.), 408 hypothyroidism, congenital, development, 512

infantile spasms on ACTH therapy, sequential CT studies, 475

lead exposure, effects on urban children, Suppl. 47 learning-disabled

attentional deficits: eye movements during reading (abstr.), 410

birthweight less than or equal to 1500 grams (abstr.), 686

neuroimmaturity, 574 prematurely born: proposed neuropathological

low and normal birthweight: spastic diplegia, 693

mentally retarded, sterilisation, parents' attitudes towards (abstr.), 553

methylphenidate serum levels (abstr.), 139 multiple handicap, motor development, assessment (abstr.), 114

myelomeningocele; stature, assessment, and armspan measurement, 338

neurodevelopmental disorders, minor behavioural problems at age 10, 438 school achievement at age 10, 566

neurogenic bladders, clean intermittent catheterisation and adjuvant therapy (abstr.), 105

powered mobility for the very young disabled, 108 (abstr.), 472

prematurely born, learning disabilities in: proposed neuropathological basis, 214

preschool. See Preschool children

primary school, in a developing country, Rutter's 'Children's Behaviour Questionnaire' (abstr.),

seven-year-olds: perceptual, motor and attentional deficits, 315

sex chromosome anomalies

learning disabilities (abstr.), 553

speech and language development (abstr.), 830 sleep at age three of preterm children, 297

sodium valproate and corticotropin suppression in the child treated for seizures (abstr.), 834

Children, cont.

spinal dysraphism, use of ultrasound (abstr.), 276 spinal tumours, 801

very low birthweight, developmental performance at one and two years of age, 709

visually impaired, eye-pressing in, 755 walking, energy test, 184

Chinese, reading disabilities (abstr.), 277

Chloral hydrate for refractory childhood epilepsy,

Chlorpromazine in severe hypoxia in newborn infants (abstr.), 135

Chromosome anomalies, sex, children with, learning disabilities in (abstr.), 553

speech and language development (abstr.), 830 CLANCY, R. R. See STEINMAN, L., 87

Clinical linguistic and auditory milestone scale in infancy (abstr.), 115

Cockayne's syndrome, myelinopathy (abstr.), 407 prenatal diagnosis (abstr.), 550

Cognition

development, of autistic children, assessment by nonverbal Piagetian tasks (abstr.), 410

functions, and anticonvulsive drugs (abstr.), 550 relation to growth in a well-nourished preschool population (abstr.), 274

status, of Guatemala City schoolchildren, relation to socioeconomic status and sex (abstr.), 552 style, and dichotic asymmetries of disabled

readers (abstr.), 831

COHEN, B. E. See COSTEFF, H., 580 COHEN, C. See WOLFF, P. H., 417

COHEN, I. L. See CAMPBELL, M., 136 COHEN, S. E. See UNGERER, J. A., 297 COLBEAU-JUSTIN, P. See TARDIEU, G., 274

COLODNY, H. See KHOSHBIN, S., 104

Coma, non-traumatic, in childhood, 493 Community and parental preferences and values in decision-making in developmental medicine

(abstr.), 107 Community surveys of the prevalence of childhood psychiatric disorders (abstr.), 834

Computed tomography

congenital dislocation of the hip: role of acetabular anteversion (abstr.), 137

sequential CT studies of 24 children with infantile spasms on ACTH therapy, 475

Conceptional age, term, neurobehavioural comparison of infants at, 450

Conduction velocity of slower and the fastest fibres in infancy and childhood (abstr.), 409

Congenital

dislocation of the hip

computed tomography: role of acetabular anteversion (abstr.), 137

Pavlik harness (abstr.), 553 treatment, 97, 738

hypothyroidism, children with: development, 512 muscular dystrophies, involvement of the central nervous system, 32

partial gigantism, associated hemifacial microsomia, 798

sensorineural deafness associated with EEG abnormalities, epilepsy and high familial incidence, 747

Convulsions and encephalopathy in childhood shigella in hospitalized patients (abstr.), 689 febrile, management with rectal diazepam, 256(L)

COOK, B. R. and GUTHKELCH, A. N.: Modern approaches to the treatment of medulloblastoma, 245

COOPER, H. M. See OTTENBACHER, K. J., 358

COPPES, V. See WOODS, J. R., 410

CORBETT, J. See DISCHE, S., 67

CORIA, F., QUINTANA, F., VILLALBA, M., REBOLLO, M. and BERCIANO, J.: Craniocervical abnormalities in Down's syndrome, 252

Cortical evoked potentials, failure to habituate, in Down's syndrome individuals (abstr.), 689 Corticotropin suppression and sodium valproate

in the child treated for seizures (abstr.), 834 COSTEFF, H., COHEN, B. E. and WELLER, L. E. Biological factors in mild mental retardation, 580

Cranial nerve agenesis in a fetus exposed to carbamazepine, 540(L)

Craniocervical abnormalities in Down's syndrome,

CRAWFORD, M. J. and BUCKLER, J. M. H.: Optic gliomata in twins with neurofibromatosis, 370

CRNIC, K. A., GREENBERG, M. T., RAGOZIN, A. S., ROBINSON, N. M. and BASHAM, R. B.: Effects of stress and social support on mothers and premature and full-term infants (abstr.), 555

CURATOLO, P., LIBUTTI, G. and BRINCHI, V.: Infantile spasms and the CHARGE association, 367

Current articles on developmental medicine, child neurology, cerebral palsy and kindred subjects, 130, 267, 403, 546, 681, 826

CUSICK, B. See NWAOBI, O. M., 175

Cytomegalovirus, role of non-febrile seizures after febrile convulsions (abstr.), 272

DALAIS, J. C. See VENABLES, P. H., 555

DAM, A. M.: Hippocampal neuron loss in epilepsy and after experimental seizures (abstr.), 832

DANZIGER, A. See McCarton-Daum, 559

DAR, H. See BERGER, A., 493 and JAFFE, M.: Dermatoglyphic and palmarincrease alterations as indicators of early intrauterine insult in mental retardation, 53

Deaf

and hearing preschoolers, integration (abstr.), 278

evaluative understanding and role-taking ability (abstr.), 552

lateral preference, effects of auditory and linguistic deprivation, 207

motor development (abstr.), 411

sensorineural deafness, congenital, associated with EEG abnormalities, epilepsy and high familial incidence, 747

Death among epileptic children, mortality and clinical features (abstr.), 554

Decision-making in developmental medicine, use of community and parental preferences and values (abstr.), 107

Dementia, childhood moyamoya presenting as, 794 DENCKLA, M. B. See KIESSLING, L. S., 727

DEONNA, TH.: Rectal diazepam in the management of febrile convulsions, 256(L)

Dermatoglyphic alterations, indicator of early intrauterine insult in mental retardation, 53

Developing country primary school children, Rutter 'Children's Behaviour Questionnaire', (abstr.), 555 Developmental

age, measured by associated movements, 417 dyslexia-a talent deficit, 691

language delay from three to seven years: significance for low intelligence and reading difficulties at age seven, 783

medicine, decision-making: parental and community preferences and values (abstr.), 107

performance, of very low-birthweight survivors at one and two years of age, 709

Developmental, cont.

verbal apraxia, sequential and non-speech praxic abilities in, 197

verbal dyspraxia, spelling of children with, 430 Developmental Medicine and Child Neurology, bibliography of books and articles received in 1982, Suppl. 46

Diabetes mellitus of juvenile onset: correlates of delayed motor nerve conduction and retinopathy (abstr.), 833

DIAMOND, L. J. and JAUDES, P. K.: Child abuse in a cerebral-palsied population, 169

Diazapam, rectal, in the management of febrile convulsions, 256(L)

Dichotic asymmetries and cognitive style of disabled readers (abstr.), 831

DIGGLE, J. H. See MICHEL, J. M., 239

Diplegia, spastic, among children of low and normal birthweight, 693

Disabled, the

children, young, and motorized wheelchair mobility (abstr.), 108, 472

peers, children's attitudes towards, measurement (abstr.), 107 powered mobility for very young disabled children,

108 (abstr.), 472 rural Nepal, 717

DISCHE, S., YULE, W., CORBETT, J. and HAND, D.: Childhood nocturnal enuresis: factors associated with outcome of treatment with enuresis alarm, 67

DIXON, S. See KEEFER, C. H., 138

DODGE, P. R., HOLMES, S. J. and SOTOS, J. F.: Cerebral gigantism, 248

DOHERTY, J. See SHERK, H. H., 738 DONGEN, H. R. VAN See BAK, E., 81 Donnai, D. See Robertson, I. G., 540(L) Douglas, R. See Yngve, D. A., 116

Down's syndrome

children with, atlanto-axial subluxation (abstr.),

cortical evoked potentials, failure to habituate (abstr.), 689

craniocervical abnormalities, 252

DOYLE, L. W., NAHMIAS, C., FIRNAU, G., KENYON, D. B., GARNETT, E. S. and SINCLAIR, J. C .: Regional cerebral glucose metabolism of newborn infants measured by positron emission tomography, 143

Drugs in aggressive behaviour (abstr.), 136 D'Souza, S. See Robertson, I. G., 540(L) Duchenne muscular dystrophy, parents of boys with,

466 DUNLOP, T. See BENNETT, H. S., 735 DYKSTRA, W. See GREENE, W. B., 112

Dynamic tripod grip, qualitative changes in, between seven and 14 years of age, 778

Dysarthria, acquired, in childhood, analysis, 81 Dyslexia, developmental-a talent deficit, 691

EATON, W. O.: Measuring activity level with actometers: validity, reliability and arm length (abstr.), 831

Ectopic bone formation in the head-injured child and adolescent (abstr.), 111

EDITORIALS

Brain ahead, the, 557 Child abuse and cerebral palsy, 141 Developmental dyslexia-a talent deficit, 691 Following up the small baby, 415 Keeping up-to-date, 1 Sleep, 281

EDWARDS, R. G. See BRUCE, R. L., 258(L)

EEG abnormalities, associated congenital sensorineural deafness, 747

normal children and adolescents (abstr.), 272 EEG-OLOFSSON, O. and PETERSEN, I.: Rhythmic mid-temporal discharges in the EEG of normal children and adolescents (abstr.), 272

EGGE, K. See SKALPE, I. O., 554

EGGER, J., KENDALL, B. E., ERDOHAZI, M., LAKE, B. D., WILSON, J. and BRETT, E. M.: Involvement of the central nervous system in congenital muscular dystrophies, 32

EHRHARDT, G. See VANDELL, D. L., 278

EKSTRÖM-JODAL, B. See LARSSON, L. E., 135 EMG findings, dynamic, in varus hindfoot (abstr.),

Encephalopathy and convulsions in childhood shigella in hospitalized patients (abstr.), 689 Encoding, and peripheral and central handicap

(abstr.), 555 Energy

consumption of locomotion in adolescents with myelomeningocele (abstr.), 115

cost of walking and wheelchair propulsion by children with myelodysplasia, 617 in normal children and teenagers, 184

requirements of children's gait (abstr.), 115

Enuresis, nocturnal, childhood: alarm treatment, 67

associated congenital sensorineural deafness, 747 benign, children with centrotemporal EEG foci: follow-up in adulthood (abstr.), 832

childhood, refractory, use of chloral hydrate, 524 mortality and clinical features (abstr.), 554 sister chromatid exchanges during long-term treatment with phenytoin (abstr.), 408

final adult height of patients with, 591 hippocampal neuron loss (abstr.), 832 kindling, 377, 672(L)

polypharmacy, reduction in, in an institution for the mentally retarded, 735

ERDOHAZI, M. See EGGER, J., 32 ESSER, K.-J. See HABEDANK, M., 408 ESTES, D. See THOMPSON, R. A., 137

Evaluative understanding and role-taking ability in deaf and hearing children (abstr.), 552

Exchange transfusion, effect on auditory brainstem response in newborn infant with hyperbilirubinemia (abstr.), 135

Extensor activity in cerebral-palsied children in different seating positions, 175

Extra-articular subtalar arthrodesis cerebral palsy (abstr.), 113 spasticity (abstr.), 112

with internal fixation (abstr.), 113 Eye movement during reading, in learning-disabled children with attentional deficits (abstr.), 410 Eye-pressing by visually impaired children, 755

FARRELL, K. and McGillivray, B. C.: Arthrogryposis following maternal hypotension, 648 Febrile convulsions, management with rectal diazepam, 256(L)

FEINGOLD, I. See GITTELMAN, R., 685, 686

FEIWELL, E. See WILLIAMS, L. O., 617

FEIGENHAUER, K. See STATZ, A., 152 FERRARI, F., GROSOLI, M. V., FONTANA, G. and CAVAZZUTI, G. B.: Neurobehavioural comparison of low-risk preterm and fullterm infants at term conceptional age, 450

Fertilisation, in vitro, two children born after, assessment 258(L)

Fetus

asphyctic, visual evoked potential, measurement (abstr.), 410

exposed to carbamazepine, cranial nerve agenesis in, 540(L)

growth delay in threatened abortion: ultrasound study (abstr.), 275

Fibres, conduction velocity, in infancy and childhood (abstr.), 409

FILIPPE, G. and CARLIOZ, H.: Use of the Pavlik harness in the treatment of congenital dislocation of the hip (abstr.), 553

FINDLEY, T. W., AGRE, J. C. and McNALLY, M. C.: Energy consumption of locomotion in adolescents with myelomeningocele (abstr.), 115

FINEGOLD, D. N. See ROSENBLUM, M. F., 338

FIORILLI, M. See IANNETTI, P., 272 FIRNAU, G. See DOYLE, L. W., 143

FIRTH, M., GARDNER-MEDWIN, D., HOSKING, G. and WILKINSON, E.: Interviews with parents of boys suffering from Duchenne muscular dystrophy, 466 FISHER, D. M. See THELEN, E., 554

FISHMAN, J. E., GADOTH, N. and RADVAN, H.: Congenital sensorineural dearness associated with EEG abnormalities, epilepsy and high familial incidence, 747

FITZHARDINGE, P. M. See BRITTON, S. B., 276; MINDE, K., 763

FLETCHER, R. P. See VENABLES, P. H., 555

Flexor slide operation, treatment of flexion contracture in cerebral palsy (abstr.), 111

Floppy newborn, differential diagnosis: rôle of thin ribs on chest X-ray, 343

FONTANA, G. See FERRARI, F., 450

Food additives and childhood hyperactivity, 531 Fragile-X syndrome, association with autism

(abstr.), 833 Frank, R. N. See Hoffman, W. H., 833 Freeman, M. See Woods, J. R., 410 Freeman, R. D. See Jan, J. E., 735 French, J. See Brown, W. T., 833

FRIEDMAN, E. See BROWN, W. T., 833
 FRIGOLETTO, F. D., BIRNHOLZ, J. C. and GREEN, M. F.: Antenatal treatment of hydrocephalus by ventriculoamniotic shunting (abstr.), 551

FROST, G. J. See BIRRELL, J., 512 FRY, E. See BENDER, B., 830

FULLER, P. W., GUTHRIE, R. D. and ALVORD, E. C., Jr.: Proposed neuropathological basis for learning disabilities in children born prematurely, 214

FUNG, K. C. See KUROKAWA, T., 554 FURUYAMA, J.-I. See SUGITA, T., 550

GABREELS, F. J. M. See SMITS, M. G., 407 GABREELS-FESTEN, A. A. W. M. See SMITS, M. G., 407

GADOTH, N. See FISHMAN, J. E., 747 GAGE, J. R. See BARASSO, J. A., 113 Gait

children's, energy requirements (abstr.), 115 internal rotation, in spastic cerebral palsy (abstr.), 114

orthosis, cable-type reciprocating, in myelomeningocele (abstr.), 116

GARBER, J. See MITAL, M. A., 111

GARDNER, L. I.: The lesson of polyploidy (abstr.), 137 GARDNER-MEDWIN, D. See FIRTH, M., 466

GARNETT, E. S. See DOYLE, L. W., 143 GENAZE, D. See BOZINSKI, M. E., 104

Genetic aspects of autosomal fragile sites (abstr.), 835 Genetic peripheral neuropathies in Swedish children, nosology, 3 Gigantism, partial, congenital, associated hemifacial microsomia. 798

GILLBERG, C. See GILLBERG, I. C., 438, 566; RASMUSSEN, P., 315

GILLBERG, I. C. and GILLBERG, C.: Three-year follow-up at age 10 of children with minor neurodevelopmental disorders. I. Behavioural problems, 438

GILLBERG, C. and RASMUSSEN, P.: Three-year follow-up at age 10 of children with minor neurodevelopmental disorders. II. School achievement problems, 566

GILMOR, R. L. See LIECHTY, E. A., 162 GIORGI, C. See BROGGI, G., 277 GIRAUD, F. See GUICHAOUA, M., 835

GITTELMAN, R. and FEINGOLD, I.: Children with reading disorders—I. Efficacy of reading remediation (abstr.), 685

KLEIN, D. F. and FEINGOLD, I.: Children with reading disorders—II. Effects of methylphenidate in combination with reading remediation (abstr.), 686

GLASER, G. H.: Kindling, 377

Glucose metabolism, regional cerebral, of newborn infants, measurement by positron emission tomography, 143

GOITEN, K. J. See AVITAL, A., 689 GOLDSTEIN, G. I. See LANCY, D. F., 410

GORDON, N.: Kindling and the prognosis for epilepsy, 672

GOYA, N. See KUROKAWA, T., 554

Green, M. F. See Frigoletto, F. D., 551 Greenberg, M. T. See Crnic, K. A., 555; Kusché,

C. A., 552
C. BERNER W. B. McMILLAN C. DVECTRA W. 200

Greene, W. B., McMillan, C., Dykstra, W. and Warren, M.: Treatment of hypertrophic synovitis and recurrent hemarthrosis in children with severe hemophilia (abstr.), 112 and Strickler, E. M.: A modified isokinetic

strengthening program for patients with severe hemophilia, 189

GREENLAND, S. See STRASSBURG, M. A., 632

Grice extra-articular subtalar arthrodesis in spasticity (abstr.), 112

GROSOLI, M. V. See FERRARI, F., 450

Growth, relation to cognition in a well-nourished preschool population (abstr.), 274

Growth hormone, human, physiological and pathological variants, 534

Growth-produced changes in body shape and size, determinants of perceived age and adult caregiving (abstr.), 689

GUALTIERI, C. T., WARGIN, W., KANOY, R., PATRICK, K., SHEN, C. D., YOUNGBLOOD, W., MUELLER, R. A. and BREESE, G. R.: Clinical studies of methylphenidate serum levels in children and adults (abstr.), 139

Guatemala City schoolchildren, socioeconomic status and sex, relation to body size, skeletal maturation, and cognitive status (abstr.), 552

GUICHAOUA, M., MATTEI, M. G., MATTEI, J. F. and GIRAUD, F.: Genetic aspects of autosomal fragile sites: a study of 40 cases (French) (abstr.), 835

GUNN, T. R., LEPORE, E. and OUTERBRIDGE, E. W.: Outcome at school-age after neonatal mechanical ventilation, 305

GUNNOE, C. F. See WOLFF, P. H., 417

Gusii and American newborns, motor performance: Neonatal Behavioural Assessment Scale (abstr.), 138

GUTHKELCH, A. N.: Spinal tumours in children, 801. See also Cook, B. R., 245 HABEDANK, M., ESSER, K.-J., BRÜLL, D., KOTLAREK, F. and STUMPF, C.: Increased sister chromatid exchanges in epileptic children during long-term therapy with phenytoin (abstr.), 408

HAGBERG, B. and WESTERBERG, B.: The nosology of genetic peripheral neuropathies in Swedish

children, 3

HAKAMADA, S., KUMAGAI, T., WATANABE, K., KOIKE, Y., HARA, K. and MIYAZAKI, S.: Conduction velocity of slower and the fastest fibres in infancy and childhood (abstr.), 409

HALLETT, M. See KHOSHBIN, S., 104 HANAI, T. See KUROKAWA, T., 554 HAND, D. See DISCHE, S., 67

Hand movements, visually guided, in children with minor neurological dysfunction (abstr.), 409 Handicap

and accidents, 654

life outcomes and satisfaction ratings of multihandicapped adults, 625

medical, children with, adoption of (abstr.), 685 multiple, children with, assessment of motor development (abstr.), 114 peripheral and central, and encoding (abstr.), 555

rural Nepal, 717

HANKINS, B. See BANTA, J. V., 115 HARA, K. See HAKAMADA, S., 409

HARPER, C. and HOCKEY, A.: Proliferative vasculopathy and an hydranencephalic-hydrocephalic syndrome: neuropathological study of two siblings, 232

HARPER, D. C. See WACKER, D. P., 625 HARPER, P. S. See YOUNG, I. D., 481

HARRIS, S. R., THOMPSON, M. and McGREW, L.: Assessing motor development in children with multiple handicaps (abstr.), 114

HART, Z. M. See HOFFMAN, W. H., 833

HARVIN, D. See HUNT, J. V., 686 HAWTREY, C. See McNEAL, D., 105, 612; WOLRAICH,

HAYDEN, P. W., SHURTLEFF, D. B. and STUNTZ, T. J.: Longitudinal study of shunt function in 360 patients with hydrocephalus, 334

HAYFORD, J. See SCHULTZ, F., 106

Head movements, abnormal, of young children, 384 Headaches in adolescents, temporomandibular joint pain-dysfunction as rare cause of, 601

Head-injured child and adolescent, ectopic bone formation (abstr.), 111

HEALY, A. See WACKER, D. P., 625

Hearing and deaf preschoolers, integration (abstr.),

HEDGES, T. R. See BODZINER, R. A., 819(L)

HEDNER, TH., IVERSON, K. and LUNBORG, P.: y-Aminobutyric acid concentrations in the CSF of newborn infants (abstr.), 830 Height, adult, of patients with epilepsy, 591

HEIJBEL, J. See BLOM, S., 832

Hemarthrosis, recurrent, in children with severe hemophilia, treatment (abstr.), 112

Hemifacial microsomia associated with congenital partial gigantism, 798

Hemispheric function, differential, in children with hemiplegic cerebral palsy, 727

Hemophilia, severe, children with, treatment of hypertrophic synovitis and recurrent hemarthrosis (abstr.), 112

modified isokinetic strengthening program, 189 HENDERSON, M. See WOLRAICH, M., 105

HENSEY, O. J., WILLIAMS, J. K. and ROSENBLOOM, L.:

Intervention in child abuse: experience in Liverpool, 606

HENSINGER, R. N. See KLING, T. F., JR., 109 Hereditary motor sensory neuropathies in childhood.

HERMELIN, B. See O'CONNOR, N., 555 HIGGINBOTTOM, M. C. and SCHULTZ, P.: Bannayan syndrome: an autosomal dominant disorder consisting of macrocephaly, lipomas, hemangiomas and risk for intracranial tumours

(abstr.), 139 HILL, A. See OSBORNE, J. P., 343 HILSON, D. See BRUCE, R. L., 258(L)

HINTZ, R. See SCHULTZ, F., 106

congenital dislocation

computed tomography: role of acetabular anteversion (abstr.), 137

Pavlik harness (abstr.), 553 dislocation in cerebral palsy, 97

treatment, 738

paralytic subluxation and dislocation, in myelomeningocele: management, 374

HISLOP, H. J. See WATERS, R. L., 184 HJALMARSON, O. See LARSSON, L. E., 135 HOARE, R. D. See LEVIN, S. D., 794 HOCKEY, A. See HARPER, C., 232

HODGSON, C. See CADMAN, D., 107

HOFFMAN, W. H., HART, Z. M and FRANK, R. N.: Correlates of delayed motor nerve conduction and retinopathy in juvenile-onset diabetes mellitus (abstr.), 833

HOLMES, G. L. and ZIMMERMAN, A. W.: Temporomandibular joint pain-dysfunction syndrome: a rare cause of headaches in adolescents, 601

HOLMES, S. J. See DODGE, P. R., 248 HOMBERGEN, G. C. See SMITS, M. G., 407

HOPKINS, B. See Alberts, E., 688 HORSTMANN, H. M., BOYER, B. and PERRINO, A.: Bracing treatment of scoliosis in cerebral palsy (abstr.), 110

HORWITZ, S. J. See ARAM, D. M., 197 Hosking, G. See Firth, M., 466 HSU, C.-C. See STEVENSON, H. W., 277 HUET DE LA TOUR, E. See TARDIEU, C., 273 HUNT, A.: Tuberous sclerosis: survey of 97 cases,

346-357 HUNT, J. V., TOOLEY, W. H. and HARVIN, D.: Learning disabilities in children with birthweight less than or equal to 1500 grams (abstr.), 686

Hunter's syndrome, natural history of the severe form, 481

Hydranencephalic-hydrocephalic syndrome and proliferative vasculopathy: neuropathology, 232 Hydrocephalus

antenatal treatment by ventriculo-amniotic shunting (abstr.), 551

infantile, isosorbide in management of, 502 shunt function in, 334

Hyperactive children

and normal children, mother-child interactions (abstr.), 408

drug treatment, 358 food additives and, 531

methylphenidate: effects on hypothalamicpituitary-somatomedin axis (abstr.), 106

Hyperbilirubinemia in a newborn infant: auditory brainstem response, improvement with exchange transfusion (abstr.), 135

Hypertension, polycystic kidneys and tuberous sclerosis, two half-siblings with, 239

Hypertrophic synovitis in children with severe

hemophilia, treatment (abstr.), 112

Hypotension, maternal, arthrogryposis following,

Hypothalamic-pituitary-somatomedin axis, effect on, of methylphenidate treatment, in hyperactive children (abstr.), 106 Hypothyroidism, congenital, children with,

development, 512

Hypoxia, severe, in newborn infants, effects of chlorpromazine (abstr.), 135

IANNETTI, P., FIORILLI, M., SIRIANNI, M. C., PANÁ, A. and AIUTI, F.: Nonfebrile seizures after febrile convulsions: possible role of chronic cytomegalovirus infection (abstr.), 272

IBRAHIM, M. See SALIH, M. A. M., 43 IKENAGA, M. See SUGITA, T., 550 ILETT, S. J.: Achondroplasia, 100(L)

Immune responses to acetylcholine receptor, suppression with monoclonal anti-I-A antibody in vivo therapy (abstr.), 687

Implantable urinary sphincter dysfunction (abstr.),

In vitro fertilisation, two children born after, assessment, 258(L)

Incontinence, urinary, artificial sphincter, 103, 520 Infancy, conduction velocity of fibres in (abstr.), 409 Infantile spasms and the CHARGE association, 367

birthweight. See Birthweight

clinical linguistic and auditory milestone scale (abstr.), 115

following up the small baby, 415

malnourished in utero, language development at age three (abstr.), 278

mother-infant attachment, stability (abstr.), 137 dialogue during breast-feeding in first days of life (abstr.), 688

neurobehavioural comparison at term conceptional age, 450 newborn

y-aminobutyric acid concentrations in CSF, 830 auditory brainstem response with hyperbilirubinemia: exchange transfusion (abstr.),

cerebral computed tomography in infants with large retinal haemorrhages (abstr.), 554

floppy: thin ribs on chest X-ray, in differential diagnosis, 343

hypoxia, severe, effects of chlorpromazine (abstr.), 135

intracranial haemorrhage, recovery from, and ventricular size (abstr.), 104

mechanical ventilation, outcome at school-age, 305

motor performance: Neonatal Behavioural Assessment Scale (abstr.), 138

myelodysplasia, predictive value of urodynamic evaluation (abstr.), 104

regional cerebral glucose metabolism, measurement by positron emission tomography, 143 ventriculomegaly, high-risk infants, 162

visual evoked potential, measurement (abstr.), 410

premature. See Premature birth

sleep apnoea, periodic and nonperiodic, 283 stress and social support of mothers, effects (abstr.), 555

Intelligence, low, at age seven, significance of developmental language delay from three to seven

Intensive care for infants weighing less than 801 gm

at birth-is it necessary? (abstr.), 276

Interdisciplinary team process or professionals' Tower of Babel, 390

Internal rotation gait in spastic cerebral palsy (abstr.), 114

Intracranial haemorrhage, neonatal, recovery from, and ventricular size (abstr.), 104

Intra-uterine insult, early, in mental retardation, indicated by dermatoglyphic and palmar-crease alterations, 53

Intraventricular hemorrhage in preterm infants, role of normal labor (abstr.), 103

Isokinetic strengthening program, modified, for patients with severe hemophilia, 189

Isosorbide, management of infantile hydrocephalus,

ITO, M., TAKAO, T., OKUNA, T. and MIKAWA, H.: Sequential CT studies of 24 children with infantile spasms on ACTH therapy, 475 IVERSON, K. See HEDNER, TH., 830

JACKSON, R. H.: Accidents and handicap, 654

JAFFE, M. See DAR, H., 53 JAN, J. E., FREEMAN, R. D., McCORMICK, A. Q.,

SCOTT, E. P., ROBERTSON, W. D. and NEWMAN, D. E.: Eye-pressing by visually impaired children,

JANDA, J. P. S., SKINNER, S. R. and BARTO, P. S.: Posterior transfer of tibialis anterior in low-level myelodysplasia (abstr.), 117

Japanese, reading disabilities (abstr.), 277 JAUDES, P. K. See DIAMOND, L. J., 169 JENKINS, E. C. See BROWN, W. T., 833

JOHNSON, C. See CADMAN, D., 107

JOHNSON, E. W.: Suffering: projected by the professionals? 820(L)

JOHNSON, M. See SALIH, M. A. M., 43 JOHNSTON, C. See MASH, E. J., 408

JONES, B.: Measuring degree of cerebral lateralization in children as a function of age (abstr.), 834 JONGBLOET, P. H.: Menses and moon phase, ovulation and seasons, vitality and month of

birth, 527 JOOSTEN, E. M. G. See SMITS, M. G., 407

KALVERBOER, A. F. and BROUWER, W. H.: Visuomotor behaviour in pre-school children in relation to sex and neurological status: experimental study on effect of 'time-pressure' (abstr.), 551. See also Alberts, E., 688; Scheliekens, J. M. H.,

KANOY, R. See GUALTIERI, C. T., 139 KARRAR, P. See SALIH, M. A. M., 43

KEEFER, C. H., TRONICK, E., DIXON, S. and BRAZELTON, T. B.: Specific differences in motor performance between Gusii and American newborns and a modification of the Neonatal Behavioural Assessment Scale (abstr.), 138

KEMBERLING, C. R. See MILLER, J. H., 276

KENDALL, B. E. See EGGER, J., 32 KENT, R. See SEIF, M., 109

KENYON, D. B. See DOYLE, L. W., 143

Kernicterus, and unbound bilirubin, in low-birthweight infants (abstr.), 138

KHOSHBIN, S., BAUER, S., HALLETT, M., COLODNY, H. and RETIK, A. B.: The predictive value of urodynamic evaluation in the newborn with myelodysplasia (abstr.), 104

KIESSLING, L. S., DENCKLA, M. B. and CARLTON, M.: Evidence for differential hemispheric function in children with hemiplegic cerebral palsy, 727

Kindling, 377, 672(L)

KINSBOURNE, M. See CAPLAN, B., 831 KITAMURA, S. See STEVENSON, H. W., 277 KLEIN, D. F. See GITTELMAN, R., 686

KLING, T. F., JR. and HENSINGER, R. N.: Results of split posterior tibial tendon transfer in children with cerebral palsy (abstr.), 109

KNOWLES, P. J. See WOODS, J. R., 410 KOIKE, Y. See HAKAMADA, S., 409 KOTLAREK, F. See HABEDANK, M., 408 KOZARUK, A. See WOLKIND, S., 685 KOZUKA, T. See SUGITA, T., 550

KRAMER, L. I. See TRAUSE, M. A., 459 KRISTENSEN, K. and Lou, H. C.: Central nervous system dysfunction as early sign of neuronal ceroid lipofuscinosis (Batten's disease), 588

KRITZLER, R. K., VINING, E. P. G. and PLOTNICK, L. P.: Sodium valproate and corticotropin suppression in the child treated for seizures (abstr.), 834

KROLL, M. A. See Otis, J. C., 60

KROOVAND, R. L.: Artificial sphincter for urinary incontinence, 103, 520

KUMAGAI, T. See HAKAMADA, S., 409 KUPFER, D. L. See LAHEY, B. B., 410

KUROKAWA, T., FUNG, K. C., HANAI, T. and GOYA, N.: Mortality and clinical features in cases of death among epileptic children (abstr.), 554

KUSCHÉ, C. A. and GREENBERG, M. T.: Evaluative understanding and role-taking ability: comparison of deaf and hearing children (abstr.), 552

Labour, normal, role in intraventricular hemorrhage and cerebral palsy in preterm infants (abstr.), 103 LAHEY, B. B., KUPFER, D. L. and BEGGS, V. E .: Do learning-disabled children exhibit peripheral deficits in selective attention? An analysis of eve movements during reading (abstr.), 410

LAKE, B. D. See EGGER, J., 32 LAMB, M. E. See THOMPSON, R. A., 137

LANCY, D. F. and GOLDSTEIN, G. I.: Use of nonverbal Piagetian tasks to assess the cognitive development of autistic children (abstr.), 410 Language

deprivation, effect on lateral preference of deaf children, 207

development

at age three, of infants malnourished in utero (abstr.), 278

delay from three to seven years: significance for low intelligence and reading difficulties at age seven, 783

in children with sex chromosome anomalies (abstr.), 830

effects of middle ear effusion, in preschool years (abstr.), 136

LARSSON, L. E., EKSTRÖM-JODAL, B. and HJALMARSON, O.: The effect of chlorpromazine in severe hypoxia in newborn infants (abstr.), 135 Lateral preference of deaf children, effects of auditory and linguistic deprivation, 207

Lead exposure, effects on urban children, Suppl. 47 Learning

disabilities

attentional deficits in children: eye movements during reading (abstr.), 410

birthweight less than or equal to 1500 grams, children of (abstr.), 686

neuroimmaturity in children with, 574

prematurely born children, proposed neuropathological basis, 214

sex chromosome anomalies, children with (abstr.), 553

Learning, cont.

effects of middle ear effusion, in preschool years (abstr.), 136

very early, movement changes during, kinematic analysis (abstr.), 554

LEE, S.-Y. See STEVENSON, H. W., 277 LEIBEL, R. L. See POLLITT, E., 274

LEPORE, E. See GUNN, T. R., 305 LESPARGOT, A. See TARDIEU, G., 274

LEVIN, S. D., HOARE, R. D. and ROBINSON, R. O.: Childhood moyamoya presenting as dementia, 794 LEVY, H. B.: Developmental dyslexia-a talent

deficit, 691 LIBUTTI, G. See CURATOLO, P., 367

LIECHTY, E. A., GILMOR, R. L., BRYSON, C. Q. and BULL, M. J.: Outcome of high-risk neonates with ventriculomegaly, 162

Life outcomes and satisfaction ratings of multihandicapped adults, 625

LINKS, P. S.: Community surveys of the prevalence of childhood psychiatric disorders; a review (abstr.), 834

Literature for parents of children with cerebral palsy, 642

Locomotion, energy consumption, in adolescents with myelomeningocele (abstr.), 115

LONTON, T. See LORBER, J., 502 LORBER, J., SALFIELD, S. and LONTON, T.: Isosorbide in the management of infantile hydrocephalus, 502

Lou, H. C. See Kristensen, K., 588 LOZOFF, B.: Birth and 'bonding' in non-industrial

societies, 595 LUCKER, G. W. See Stevenson, H. W., 277 LUNBORG, P. See HEDNER, TH., 830

LUTSCHG, J. See Rossi, L. N., 19

Lumbo-peritoneal shunting-a forgotten operation?

MAAYAN, C. See AVITAL, A., 689

McCarthy, G. E. See Woods, J. R., 410

McCarton-Daum, C., Danziger, A., Ruff, H. and VAUGHAN, H. G., JR.: Periventricular low density as a predictor of neurobehavioural outcome in very low-birthweight infants, 559

McCLEUR, S.: Cervical spondylosis with myelopathy as a complication of cerebral palsy (abstr.), 688

McConnell, T. See Banta, J. V., 115 McCormick, A. Q. See Jan, J. E., 735 McDevitt, H. O. See Waldor, M. K., 687

McGEE, R. See SILVA, P. A., 783

McGillivray, B. C. See Farrell, K., 648 McGowan, M. E. L.: Final adult height of patients with epilepsy, 591

McGrew, L. See Harris, S. R., 114 McKay, T. M. See Butler, C., 108, 472 McMillan, C. See Greene, W. B., 112

McMurty, C. A. See Wennberg, R. P., 135 McNally, M. C. See Findley, T. W., 115

McNeal, D., Hawtrey, C., Wolraich, M. and MAPEL, J.: Symptomatic neurogenic bladder in a cerebral-palsy population (abstr.), 105, 612

MACVEAN, R. B. See BOGIN, B., 552 MAGHAZAJI, H. I.: Hemifacial microsomia associated with congenital partial gigantism, 798

MAHONEY, W. J., BROWN, F. R., CAPUTE, H. and SHIMIZU, H.: Minimal brain dysfunction—the auditory brainstem response with and without stimulant medication (abstr.), 106

Malnourishment, intra-uterine, effect on language development of infants at age three (abstr.), 278 MALTAU, J. M. See SKALPE, I. O., 554

Mansour, M. J. See Tylowski, C. M., 114

MANTONI, M. and PEDERSON, J. F.: Fetal growth delay in threatened abortion: an ultrasound study (abstr.), 275

MAPEL J. R. See McNEAL D. M., 105, 612; WOLRAICH, M., 105

MASH, E. J. and JOHNSTON, C.: Comparison of the mother-child interactions of younger and older hyperactive and normal children (abstr.), 408

MATHES, B. C. See BLASCO, P. A., 642 MATIKO, J. See BURKE, S. W., 110 MATTEL, G. F. See GUICHAOUA, M., 835

MATTEI, M. G. See GUICHAOUA, M., 835

MEDNICK, S. A. See VENABLES, P. H., 555

Medulloblastoma, treatment, 245 MEIER, C. See Rossi, L. N., 19

MELLOR, D. H. See MICHEL, J. M., 239

Meningoencephalitis, bilateral internuclear ophthalmoplegia in, 819(L)

Menses and moon phases, 527

Mental handicap

child abuse causing, 673(L)

dermatoglyphic and palmar-crease alterations as indicators of early intra-uterine insult, 53 mild, biological factors, 580

sterilisation of children, parents' attitudes towards (abstr.), 553

MERRITT, T. A. See BEJAR, R., 103

Methylphenidate

in combination with reading remediation (abstr.),

serum levels in children and adults (abstr.), 139 treatment of hyperactive children: effects on hypothalamic-pituitary-somatomedin axis (abstr.), 106

MICHEL, J. M., DIGGLE, J. H., BRICE, J., MELLOR, D. H. and SMALL, P.: Two half-siblings with tuberous sclerosis, polycystic kidneys and hypertension, 239

Middle ear effusion, recurrent, effects in preschool years, on language and learning (abstr.), 136

MIKAWA, H. See ITO, M., 475

MILLER, J. H., REID, B. S. and KEMBERLING, C. R.: Utilisation of ultrasound in the evaluation of spinal dysraphism in children (abstr.), 276

MILLER, L. J.: New normative data on neurological items in the preschool ages (abstr.), 113

MINDE, K., WHITELAW, A., BROWN, J. and FITZHARDINGE, P.: Effect of neonatal complications in premature infants on early parent-infant interactions, 763

MITAL, M. A. and GARBER, J.: Ectopic bone formation and its management in the head-injured child and adolescent (abstr.), 111. See also SAKELLARIDES, H. T., 111

MITCHELL, D. A. See VENABLES, P. H., 555

MIYAZAKI, S. See HAKAMADA, S., 409

Mobility, powered, for very young disabled children,

Monoclonal antibodies against brain antigens, 651 anti-I-A, in vivo therapy, suppression of immune responses to acetylcholine receptor (abstr.), 687 MORGAN, J. See BANTA, J. V., 110

MORIN, V. M. See BOOTH, C., 283

Mother-child interactions. See also Parent-infant interactions

dialogue during breast-feeding in first days of life (abstr.), 688

hyperactive and normal children (abstr.), 408 stability (abstr.), 137

Mothers, effects of stress and social support (abstr.),

Motor behaviour, verbal control over, develop-

ment (abstr.), 275

Motor

deficit in seven-year-olds, neurological and neurodevelopmental aspects, 315 development in children with multiple handicaps,

assessment (abstr.), 114

of deaf children (abstr.), 411 nerve conduction, delayed, and retinopathy, correlates, in juvenile-onset diabetes mellitus (abstr.), 833

sensory neuropathies in childhood, hereditary, 19 Motorized wheelchair mobility and young disabled children (abstr.), 108, 472

Movement(s)

abnormal, in cerebral palsy, stereotactic surgery (abstr.), 277

associated, measurement of developmental age,

changes during very early learning, kinematic analysis (abstr.), 554

organisation (visually guided hand movements) in children with minor neurological dysfunction (abstr.), 409

Moyamoya, childhood, presenting as dementia, 794

MUELLER, R. A. See GUALTIERI, C. T., 139 MUELLER, W. See POLLITT, E., 274

Multiple handicap, children with, assessment of motor development (abstr.), 114

MURPHY, E. G. See OSBORNE, J. P., 343

Muscle hypoextensibility in children with cerebral palsy (abstr.), 273, 274

Muscular dystrophy autosomal recessive, severe, in an extended Sudanese kindred, 43

congenital, involvement of the central nervous system, 32

Duchenne, parents of boys with, 466

Myelinopathy in Cockayne's syndrome (abstr.), 407 Myelodysplasia

low-level, posterior transfer of tibialis anterior (abstr.), 117

newborn infants with, predictive value of urodynamics (abstr.), 104 Myelomeningocele

adolescents with, locomotion in, energy consumption of (abstr.), 115

cable-type reciprocating gait orthosis in myelomeningocele (abstr.), 116

paralytic dislocation and subluxation of the hip, management, 374

stature and arm-span measurement, in children with, 338

Myelopathy with cervical spondylosis, as a complication of cerebral palsy (abstr.), 688

NAHMIAS, C. See DOYLE, L. W., 143 NAKANO, J. S. and SCHMITT, E. WM.: Grice extraarticular subtalar arthrodesis in spasticity (abstr.), 112

NARDOCCI, N. See ANGELINI, L., 408

NELLHAUS, G.: Abnormal head movements of young children, 384

NELSON, M. N. See BOZINSKI, M. E., 104

Neonatal Behavioural Assessment Scale, modification (abstr.), 138

Neonatal complications in premature infants, effect on early parent-infant interactions, 763

NETSELL, R. See SEIF, M., 109

Neurobehaviour

comparison of infants at term conceptional age,

ventricular low density as predictor of, 559 Neurodevelopmental

disorders, minor, children with: behavioural problems at age 10, 438

minor, children with: school achievement at age 10, 566

therapy for cerebral palsy, casting as adjunct

Neurofibromatosis in twins, with optic gliomata, 370 Neurogenic bladder

children with, results of clean intermittent catheterisation and adjuvant therapy (abstr.),

symptomatic, in a cerebral-palsy population (abstr.), 105, 612

Neuro-immaturity of learning disabled children, 574 Neurological dysfunction, minor, children with: visually guided hand movements (abstr.), 409 items, new normative data on, in preschool ages

(abstr.), 113

Neuromuscular spine deformity, segmental spinal instrumentation in (abstr.), 110

Neuron loss, hippocampal, in epilepsy (abstr.), 832 Neuronal ceroid lipofuscinosis (Batten's disease), central nervous system dysfunction as early sign of, 588

Neuropathological basis for learning disabilities in children born prematurely, 214

study of two siblings with an hydranencephalichydrocephalic syndrome, 232

NEWMAN, D. E. See JAN, J. E., 735

Non-febrile seizures after febrile convulsions: role of cytomegalovirus (abstr.), 272

Normative data, new, on neurological items in preschool ages (abstr.), 113

NOTERMANS, S. L. H. See SMITS, M. G., 407 NWAOBI, O. M., BRUBAKER, C. E., CUSICK, B. and Sussman, M. D.: Electromyographic investigation of extensor activity in cerebral-palsied children in different seating positions, 175

O'CONNOR, N. and HERMELIN, B.: Peripheral and central handicap and encoding (abstr.), 555

OH, W. See CASHORE, W. J., 138 OKAMOTO, A. See BUTLER, C., 108

OKAMOTO, G. O. See BUTLER, C., 472 OKUNA, T. See ITO, M., 475

OLIVER, J. E.: Violence-induced mental handicap, 673(L)

O'MARA, P. See Woods, J. R., 410

OMER, A. See SALIH, M. A. M., 43 Ophthalmoplegia, bilateral internuclear, in meningoencephalitis, 819(L)

Optic gliomata affecting twins with neurofibromatosis, 370

O'REILLY, D. E.: The changing picture of cerebral palsy (abstr.), 103

ORGILL, A. A. See ASTBURY, J., 709 Orthopaedics in adolescence, 806

OSBORNE, J. P., MURPHY, E. G. and HILL, A.: Thin ribs on chest X-ray: a useful sign in the differential diagnosis of the floppy newborn, 343

OTIS, J. C., ROOT, L., PAMILLA, J. R. and KROLL. M. A.: Biomechanical measurement of spastic plantar-flexors, 60

OTTENBACHER, K. J. and COOPER, H. M.: Drug treatment of hyperactivity in children, 358 OUTERBRIDGE, E. W. See GUNN, T. R., 305 Ovulation and seasons, 527

Palmar-crease alterations, indicator of early intrauterine insult in mental retardation, 53 PALMER, F. See CAPUTE, A., 115

PAMILLA, J. R. See Otis, J. C., 60 PANÁ, A. See IANNETTL P., 272

PAPOUSEK, H. and PAPOUSEK, M.: Biological basis of social interactions: implications of research for an understanding of behavioural deviance (abstr.), 687

Paralytic subluxation and dislocation of the hip in myelomeningocele, management, 374

Parent-infant interactions, early, effect of neonatal complications in premature infants, 763. See also Mother-child interactions

attitudes towards sterilisation of their mentally retarded children (abstr.), 553

effect on, of premature birth, 459

of boys with Duchenne muscular dystrophy. 466 of children with cerebral palsy, literature for, 642 preferences and values in decision-making in developmental medicine (abstr.), 107

PARISI, V. See WOODS, J. R., 410 PARKIN, J. M. See BIRRELL, J., 512 PARKS, J. S. See CHAWLA, R. K., 534 PARMELEE, A. H. See UNGERER, J. A., 297 PASQUARIELLO, P. D. See SHERK, H. H., 738 PATRICK, K. See GUALTIERI, C. T., 139 Pavlik harness, treatment of congenital dislocation

of the hip (abstr.), 553

PEARSON, P. H.: The interdisciplinary team process. or the professionals' Tower of Babel, 390 PEDERSON, J. F. See MANTONI, M., 275

Pediatric neurologist, academic-is he an endangered specie? 95

PEEKE, H. V. S. See SCHAFER, E. W. P., 689 PENNINGTON, B. F., BENDER, B., PUCK, M., SALBENBLATT, J. and ROBINSON, A.: Learning disabilities in children with sex chromosome anomalies (abstr.), 555. See also BENDER, B., 830

Perceptual deficit in seven-year-olds, neurological and neurodevelopmental aspects, 315

Peripheral neuropathies, genetic, in Swedish children, nosology, 3

Periventricular low density, predictor of neurobehavioural outcome in very low-birthweight infants, 559

Perrino, A. See Horstmann, H. M., 110 Perry, C. D. See Pueschel, S. M., 108

Pertussis, pertussis vaccination and postnatal aetiology of cerebral palsy in Western Australia, 257(L), 258(L)

PETERSEN, I. See EEG-OLOFSSON, O., 272 Phenytoin, long-term therapy, sister chromatid exchanges during, in epileptic children (abstr.), 408 Physical impairment in rural Nepal, 717

Piagetian tasks, nonverbal, assessment of cognitive development of autistic children (abstr.), 410

PINCKERS, A. J. L. See SMITS, M. G., 407 Plantarflexors, spastic, biochemical measurement, 60 Plasma anticonvulsants, therapeutic range, 660

PLOTNICK, L. P. See KRITZLER, R. K., 834 POLLITT, E., MUELLER, W. and LEIBEL, R. L.: The relation of growth to cognition in a well-nourished

preschool population (abstr.), 274 Polycystic kidneys, tuberous sclerosis and hypertension, two half-siblings with, 239

Polypharmacy for epilepsy, reduction in, in an institution for the mentally retarded, 735

Polyploidy (abstr.), 137 PORTIGAL, L. D. See SRASSBURG, M. A., 632

Positron emission tomography, measurement of regional cerebral glucose metabolism in newborn infants, 143

Posterior transfer of tibialis anterior in low-level

myelodysplasia (abstr.), 117

POWELL, T. G. and ROSENBLOOM, L.: Use of chloral hydrate for refractory childhood epilepsy, 524

POWELL, W. J. See WACKER, D. P., 625

Powered mobility for very young disabled children, 108, 472

Praxic abilities, sequential and non-speech, in developmental verbal apraxia, 197

Premature birth

effects on parents and their relationship, 459 intraventricular hemorrhage and cerebral palsy in infants of: role of normal labour (abstr.), 103 learning disabilities of children of, proposed

neuropathological basis, 214

neonatal complications, effect on early parentinfant interactions, 763

sleep behaviour at age three, of children of, 297

PRENSKY, A. L. See YOUNG, R. S. K., 95

Preschool children

growth, relation to cognition (abstr.), 274 hearing and deaf, integration (abstr.), 278

middle ear effusion, effects on language and learning (abstr.), 136

new normative data on neurological items (abstr.), 113

visuo-motor behaviour in relation to sex and neurological status: effect of 'time-pressure' (abstr.), 551

Primary school children in a developing country, Rutter's 'Children's Behaviour Questionnaire' (abstr.), 555

Professionals and the interdisciplinary team process,

Proliferative vasculopathy and an hydranencephalichydrocephalic syndrome: neuropathology, 232 Propionic acidemia, neuropathology, 87

Psychiatric disorders, childhood, prevalence (abstr.), 834

Puck, M. See Bender, B., 830; Pennington, B. F., 553

Pueschel, S. M., Scola, F. H. and Perry, C. D.: A study of atlanto-axial subluxation in children with Down's syndrome (abstr.), 108 Purdy, J. M. See Bruce, R. L., 258(L)

QUINTANA, F. See CORIA, F., 252

RADVAN, H. See FISHMAN, J. E., 747 RAGOZIN, A. S. See CRNIC, K. A., 555 RAGUTHU, S. See BROWN, W. T., 833 RAMAEKERS, L. H. J. See WALTHER, F. J., 278

RAMSEY, R. See BOZINSKI, M. E., 104
RASMUSSEN, P., GILLBERG, C., WÄLDENSTRÖM, E. and SVENSON, B.: Perceptual, motor and attentional deficits in seven-year-old children: neurological and neurodevelopmental aspects, 314. See also

GILLBERG, I. C., 566

Reading disorders

at age seven, significance of developmental language delay from three to seven years, 783 Chinese, Japanese and English (abstr.), 277 cognitive style and dichotic asymmetries (abstr.),

831

reading remediation, efficacy, in children with (abstr.), 685

methylphenidate in combination with reading remediation (abstr.), 686

eye movements during, in learning-disabled children with attentional deficits (abstr.), 410
REBOLLO, M. See CORIA, F., 252

Rectal diazepam in the management of febrile convulsions, 256(L)

REID, B. S. See MILLER, J. H., 276 RENIER, W. O. See SMITS, M. G., 407

Response time: visually guided hand movements in children with minor neurological dysfunction (abstr.), 409

RETIK, A. B. See KHOSHBIN, S., 104

Retinal haemorrhage, large, newborn children with, cerebral computed tomography (abstr.), 554

Retinopathy and delayed motor nerve conduction, correlates, in juvenile-onset diabetes mellitus (abstr.), 833

Rhythmic mid-temporal discharges in the EEG of normal children and adolescents (abstr.), 272

Ribs, thin, on chest X-ray: differential diagnosis of the floppy newborn, 343
RICHARDSON, S. A.: Physical impairment, disability

and handicap in rural Nepal, 717

ROBERTS, J. M. See YNGVE, D. A., 116

ROBERTSON, I. G., DONNAI, D. and D'SOUZA, S.: Cranial nerve agenesis in a fetus exposed to carbamazepine, 540(L)

ROBERTSON, W. D. See JAN, J. E., 735

ROBINSON, A. See BENDER, B., 830; PENNINGTON, B. F., 553

ROBINSON, N. M. See CRNIC, K. A., 555

ROBINSON, R. O.: Brain transplants, 654. See also Levin, S. D., 794

Role-taking and evaluative understanding in deaf and hearing children (abstr.), 552

ROOT, L. See Otis, J. C., 60 ROSENBAUM, P. L. See ARMSTRONG, R. W., 107

ROSENBLOOM, L. See HENSEY, O. J., 606; POWELL, T. G., 524

ROSENBLUM, M. F., FINEGOLD, D. N. and CHARNEY, E. B.: Assessment of stature of children with myelomeningocele, and usefulness of arm-span measurement, 338

ROSENKRANTZ, H. See BROWNING, W. H., 137 ROSENTHAL, R. K. and CANDAGE, R. C.: Extraarticular subtalar arthrodesis in cerebral palsy

(abstr.), 113 Rosner, B. See Younes, R. P., 574

ROSSI, L. N., LÜTSCHG, J., MEIER, C. and VASSELLA, F.: Hereditary motor sensory neuropathies in childhood, 19

RUBEN, R. J. See SAK, R. J., 136 RUDMAN, D. See CHAWLA, R. K., 534

RUFF, H. See McCarton-Daum, C., 559 Rutter's 'Children's Behaviour Questionnaire', factor structure, in a primary school population in a developing country (abstr.), 555

SAK, R. J. and RUBEN, R. J.: Effects of recurrent middle ear effusion in preschool years on language and learning (abstr.), 136

SAKELLARIDES, H. T. and MITAL, M. A.: Treatment of the flexion contracture of fingers and wrist in cerebral palsy by flexor slide operation (abstr.), 111 SALBENBLATT, J. See BENDER, B., 830; PENNINGTON,

B. F., 553

SALFIELD, S. See LORBER, J., 502

SALIH, M. A. M., IBRAHIM, M., OMER, E., BAYOUMI, R. A., KARRAR, O. and JOHNSON, M.: Severe autosomal recessive muscular dystrophy in an extended Sudanese kindred, 43

SAVOIARDO, M. See ANGELINI, L., 408

SCHAFER, E. W. P. and PEEKE, H. V. S.: Down syndrome individuals fail to habituate cortical evoked potentials (abstr.), 689

SCHELLEKENS, J. M. H., SCHOLTEN, C. A. and

KALVERBOER, A. F.: Visually guided hand movements in children with minor neurological dysfunction: response time and movement organisation (abstr.), 409

SCHMIDT, S. See CAPUTE, A., 115

SCHMITT, E. WM. See NAKANO, J. S., 112

SCHOLTEN, C. A. See SCHELLEKENS, J. M. H., 409 School achievement at age 10 of children with minor neurodevelopmental disorders, 566

School-age children, effect of neonatal mechanical ventilation, 305

SCHULSINGER, F. See VENABLES, P. H., 555 SCHULTZ, B. See HIGGINBOTTOM, M. C., 139

SCHULTZ, F., HAYFORD, J., WOLRAICH, M., HINTZ, R. and THOMPSON, R.: Methylphenidate treatment of hyperactive children: effects on the hypothalamicpituitary-somatomedin axis (abstr.), 106

SCOLA, F. H. See PUESCHEL, S. M., 108 Scoliosis in cerebral palsy, bracing treatment (abstr.),

SCOTT, E. P. See JAN, J. E., 735

Seating positions, different: extensor activity in cerebral-palsied children, 175

Segmental spinal instrumentation in neuromuscular spine deformity (abstr.), 110

SEIF, M., NETSELL, R. and KENT, R.: Differences in speech of children with spastic and athetoid cerebral palsy (abstr.), 109

Seizures in children, sodium valproate and corticotropin suppression (abstr.), 834

Seven-year-olds, perceptual, motor and attentional deficits: neurological and neurodevelopmental aspects, 315

SEVER, L. E. See STRASSBURG, M. A., 632

Sex and socioeconomic status of Guatemala City schoolchildren, relation to body size, skeletal maturation and cognitive status (abstr.), 552

Sex chromosome anomalies, children with learning disabilities in (abstr.), 553 speech and language development (abstr.), 830

SHAPIRO, B. See CAPUTE, A., 115

SHARRARD, W. J.: Management of paralytic subluxation and dislocation of the hip in myelomeningocele, 374

SHEN, C. D. See GUALTIERI, C. T., 139 SHERK, H. H., PASQUARIELLO, P. D. and DOHERTY, J.: Hip dislocation in cerebral palsy: selection for treatment, 738

SHETTER, J. L. See WENNBERG, R. P., 135

Shigella, childhood, encephalopathy and convulsions, in hospitaliz 1 patients (abstr.), 689

SHIMIZU, H. See MOHONEY, W. J., 106

Shunt function in patients with hydrocephalus, 334 SHURTLEFF, D. B. See HAYDEN, P. W., 334

SIGMAN, M. See UNGERER, J. A., 297
SILVA, P. A., MCGEE, R. and WILLIAMS, S. M.: Developmental language delay from three to seven years and its significance for low intelligence and reading difficulties at age seven, 783

SIMON, S. R. See Tylowski, C. M., 114 SINCLAIR, J. C. See Doyle, L. W., 143 SINGER, W. See BODZINER, R. A., 819(L)

SIRIANNI, M. C. See IANNETTI, P., 272

Sister chromatid exchanges, increased, in epileptic children during long-term therapy with phenytoin (abstr.), 408

SKALPE, I. O., EGGE, K. and MALTAU, J. M.: Cerebral computed tomography in newborn children with large retinal haemorrhages (abstr.), 554

Skeletal maturation, Guatemala City schoolchildren, relation to socioeconomic status and sex (abstr.), SKINNER, S. R. See BARTO, P. S., 115; JANDA, J. P. S.,

Sleep, 281

apnoea, period and nonperiodic, in premature and fullterm infants, 283

behaviour, of preterm children at age three, 297

SMALL, A. M. See CAMPBELL, M., 136 SMALL, P. See MICHEL, J. M., 239

SMITS, M. G., GABREELS, F. J. M., RENIER, W. O., JOOSTEN, E. M. G., GABREELS-FESTEN, A. A. W. M., TER LAAK, H. J., PINCKERS, A. J. L., HOMBERGEN, G. C., NOTERMANS, S. L. H. and THUSSEN, H. O. M.: Peripheral and central myelinopathy in Cockayne's syndrome. Report of three siblings (abstr.), 407

SNOWLING, M. and STACKHOUSE, J.: Spelling performance of children with developmental

verbal dyspraxia, 430

Social interactions, biological basis: behavioural deviance (abstr.), 687

Social support and stress, effects on mothers and premature and full-term infants (abstr.), 555

Socioeconomic status and sex of Guatemala City schoolchildren, relation to body size, skeletal maturation and cognitive status (abstr.), 552

Sodium valproate and corticotropin suppression in the child treated for seizures (abstr.), 834

SOTOS, J. F. See DODGE, P. R., 248

Sotos syndrome (cerebral gigantism), 248

Spasms, infantile

and the CHARGE association, 367 on ACTH therapy, children with: sequential CT studies, 475

Spastic diplegia among children of low and normal birthweight, 693

plantarflexors, biochemical measurement, 60

Spasticity, Grice extra-articular arthrodesis in (abstr.), 112 Speech

development in children with sex chromosome anomalies (abstr.), 830

of children with spastic and athetoid cerebral palsy (abstr.), 109

Spelling performance of children with developmental verbal dyspraxia, 430

Sphincter, artificial, for urinary incontinence, 103,

Spina bifida, in a low-risk area, 632 long-term ambulation in (abstr.), 110 Spinal-cord dysfunction, neonatal, 100(L)

dysraphism in children, ultrasound (abstr.), 276 neuromuscular deformity, segmental spinal instrumentation in (abstr.), 110 tumours, in children, 801

Split posterior tibial tendon transfer in children with cerebral palsy (abstr.), 109

Spondylosis, cervical, with myelopathy, as a complication of cerebral palsy (abstr.), 688

SRIRAM, S. See WALDOR, M. K., 687 STACKHOUSE, J. See Snowling, M., 430

STAHELI, L. T.: Orthopedics in adolescence, 806 STANLEY, F. and BLAIR, E.: Pertussis and pertussis

vaccination and cerebral palsy, 258(L). See also ATKINSON, S., 693

Stature of children with myelomeningocele, 338 STATZ, A. and FELGENHAUER, K.: Development of the blood-CSF barrier, 152

STEINMAN, L., CLANCY, R. R., CANN, H. and URICH, H.: Neuropathology of propionic acidemia, 87. See also WALDOR, M. K., 687

STEPTOE, P. C. See BRUCE, R. L., 258(L)

Stereotactic surgery of abnormal movements in cerebral palsy (abstr.), 277

Sterilisation of mentally retarded children, parents'

attitudes towards (abstr.), 553

STEVENSON, H. W., STIGLER, J. W., LUCKER, G. W.: LEE, S.-Y., HSU, C.-C. and KITAMURA, S.: Reading disabilities: the case of Chinese, Japanese and English (abstr.), 277

STIGLER, J. W. See STEVENSON, H. W., 277

STRASSBURG, M. A., GREENLAND, S., PORTIGAL, L. D. and SEVER, L. E.: Population-based casecontrol study of anencephalus and spina bifida in a low-risk area, 632

Stress and social support, effects on mothers and premature and full-term infants (abstr.), 555

STRICKLER, E. M. See GREENE, W. B., 189 STUMPF, C. See HABEDANK, M., 408 STUNTZ, T. J. See HAYDEN, P. W., 334

Subacute cervical myelopathy in a child with cerebral palsy, secondary to torsion dystonia? (abstr.), 408 Sudanese kindred, extended, severe autosomal

recessive muscular dystrophy in, 43

SUEHARA, N. See SUGITA, T., 550 Suffering: projected by the professionals? 820(L)

SUGITA, T., IKENAGA, M., SUEHARA, N., KOZUKA, T. FURUYAMA, J.-I. and YABUUCHI, H.: Prenatal diagnosis of Cockayne syndrome using assay of colony-forming ability in ultraviolet light irradiated cells (abstr.), 550

SUPINSKI, R. S. See BARTO, P. S., 115

SUSSMAN, M. D.: Casting as an adjunct to neurodevelopmental therapy for cerebral palsy, 804. See also NWAOBI, O. M., 175

SVENSON, B. See RASMUSSEN, P., 315

TAKAO, T. See ITO, M., 475

TARANGER, J.: Pertussis, pertussis vaccination and postnatal aetiology in Western Australia, 257(L)

TARDIEU, C., HUET DE LA TOUR, E., BRET, M. D. and TARDIEU, G.: Muscle hypoextensibility in children with cerebral palsy: I. Clinical and experimental observations (abstr.), 273. See also TARDIEU, G., 274

TARDIEU, G., TARDIEU, C., COLBEAU-JUSTIN, P. and LESPARGOT, A.: Muscle hypoextensibility in children with cerebral palsy.II: Therapeutic implications (abstr.), 274. See also TARDIEU, C.,

TARQUINIO, T. See BROWNING, W. H., 137

Teenagers, walking, energy cost, 184. See also

Temporomandibular joint pain-dysfunction syndrome: rare cause of headaches in adolescents, 601 TER LAAK, H. J. See SMITS, M. G., 407

THELEN, E. and FISHER, D. M.: From spontaneous to instrumental behaviour: kinematic analysis of movement changes during very early learning (abstr.), 554

THUSSEN, H. O. M. See SMITS, M. G., 407

ТНОМАН, Е. В. See ВООТН, С., 283 THOMAS, L. See WATERS, R. L., 617; WILLIAMS, L. O.,

THOMAS, T. L.: Treatment of congenital dislocation of the hip, 97

THOMPSON, M. See HARRIS, S. R., 114

THOMPSON, P. J. and TRIMBLE, M. R.: Anticonvulsive drugs and cognitive functions (abstr.), 550

THOMPSON, R. See SCHULTZ, F., 106 THOMPSON, R. A., LAMB, M. E. and ESTES, D.: Stability of mother-infant attachment and its relationship to changing life circumstances in an unselected middle-class sample (abstr.), 137

THORLEY, G.: Childhood hyperactivity and food additives, 531

'Time-pressure', effect on visuo-motor behaviour of preschool children in relation to sex and neurological status (abstr.), 551

TINSLEY, V. S. and WATERS, H. S.: The development of verbal control over motor behaviour: a replication and extension of Luria's findings (abstr.), 275 Tooley, W. H. See Hunt, J. V., 686

Torsion dystonia, secondary subacute cervical myelopathy, in a child with cerebral palsy (abstr.),

TRAUSE, M. A. and KRAMER, L. I.: Effects of premature birth on parents and their relationship,

TRICE, J. E. See BEJAR, R., 103 TRIMBLE, M. R. See THOMPSON, P. J., 550 TRONICK, E. See KEEFER, C. H., 138

Tuberous sclerosis

family aspects, 353 physical findings, 350

polycystic kidneys and hypertension, two halfsiblings with, 239

seizures, pertussis immunisation and handicap, 346 Tumours, spinal, in children, 801

Twins with neurofibromatosis, optic gliomata, 370 TYLOWSKI, C. M., SIMON, S. R. and MANSOUR, M. J.: Internal rotation gait in spastic cerebral palsy (abstr.), 114

Ultrasound

evaluation of spinal dysraphism in children (abstr.), 276

study of fetal growth delay in threatened abortion (abstr.), 275

Ultraviolet light irradiated cells, colony-forming ability, assay: prenatal diagnosis of Cockayne syndrome (abstr.), 550

UNGERER, J. A., SIGMAN, M., BECKWITH, L., COHEN, S. E. and PARMELEE, A. H.: Sleep behaviour of preterm children at three years of age, 297 URICH, H. See STEINMAN, L., 87

Urinary incontinence, artificial sphincter for, 103, 520 Urodynamic evaluation, predictive value in the newborn with myelodysplasia (abstr.), 104

VAJDA, F. J. E. and AICARDI, J.: Reassessment of the concept of a therapeutic range of anticonvulsant plasma levels, 660

VAN DER VELDE, A. See WIEGERSMA, P. H., 411 VANDELL, D. L., ANDERSON, L. D., EHRHARDT, G. and WILSON, K. S.: Integrating hearing and deaf preschoolers: an attempt to enhance hearing children's interaction with deaf peers (abstr.), 278

Varus hindfoot, dynamic EMG findings in (abstr.),

VASSELLA, F. See Rossi, L. N., 19

VAUGHAN, H. G. JR. See McCarton-Daum, C., 559 VENABLES, P. H., FLETCHER, R. P., DALAIS, J. C., MITCHELL, D. A., SCHULSINGER, F. and MEDNICK. S. A.: Factor structure of the Rutter 'Children's Behaviour Questionnaire' in a primary school population in a developing country (abstr.), 555

Ventilation, mechanical, neonatal, outcome at school-age, 305

Ventricular size and recovery from neonatal intracranial haemorrhage (abstr.), 104

Ventriculoamniotic shunting, antenatal treatment of hydrocephalus (abstr.), 551

Ventriculomegaly, high-risk neonates with, outcome, 162

Verbal control over motor behaviour (abstr.), 275 VILLALBA, M. See CORIA, F., 252

VINING, E. P. G. See KRITZLER, R. K., 834

Visual evoked potential in the asphytic fetus and during neonatal survival, measurement (abstr.), 410

Visually guided hand movements in children with minor neurological dysfunction (abstr.), 409 Visually impaired children, eye-pressing by, 755

Visuo-motor behaviour of pre-school children in relation to sex and neurological status: effect of 'time-pressure' (abstr.), 551
Vitality and month of birth, 527

WACHTEL, A. See CAPUTE, A., 115

WACKER, D. P., HARPER, D. C., POWELL, W. J. and HEALY, A.: Life outcomes and satisfaction ratings of multihandicapped adults, 625 WAITE. S. P. See BOOTH, C., 283

WALDENSTRÖM, E. See RASMUSSEN, P., 315

WALDOR, M. K., SRIRAM, S., McDevitt, H. O. and Steinman, L.: In vivo therapy with monoclonal anti-I-A antibody suppresses immune responses to acetylcholine receptor (abstr.), 687
WALKER, J. M. See WILLIAMS, L. O., 617

Walking, energy cost

in children with myelodysplasia, 617 in normal children and teenagers, 184

WALTHER, F. J. and RAMAEKERS, L. H. J.: Language development at the age of 3 years of infants malnourished in utero (abstr.), 278

WARGIN, W. See GUALTIERI, C. T., 139 WARREN, M. See GREENE, W. B., 112 WATANABE, K. See HAKAMADA, S., 409

WATERS, H. S. See TINSLEY, V. S., 275
WATERS, R. L., HISLOP, H. J., TOMAS, L. and
CAMPBELL, J.: Energy cost of walking in normal
children and tenagers 184

children and teenagers, 184 Webb, G. See Younes, R. P., 574 Weinman, J. See Weston, P., 207 Weller, L. E. See Costeff, H., 580

WENNBERG, R. P., AHLFORS, C. E., BICKERS, R., MCMURTY, C. A. and SHETTER, J. L.: Abnormal auditory brainstem response in a newborn infant with hyperbilirubinemia: improvement with exchange transfusion (abstr.), 135

WESTERBERG, B. See HAGBERG, B., 3

WESTON, P. and WEINMAN, J.: The effects of auditory and linguistic deprivation on lateral preference of deaf children, 207

Wheelchair, motorized, and young disabled children (abstr.), 108, 472

propulsion, energy cost, in children with myelodysplasia, 617

WHITELAW, A. See MINDE, K., 763 WIEGERSMA, P. H. and VAN DER VELDE, A.: Motor development of deaf children (abstr.), 411

WILE, P. B. See BAROSSA, J. A., 113 WILKINSON, E. See FIRTH, M., 466

WILLIAMS, J. K. See HENSEY, O. J., 606

WILLIAMS, L. O., ANDERSON, A. D., CAMPBELL, J., THOMAS, L., FEIWELL, E. and WALKER, J. M.: Energy cost of walking and of wheelchair propulsion by children with myelodysplasia: comparison with normal children, 617

WILLIAMS, S. M. See SILVA, P. A., 783 WILSON, J. See EGGER, J., 32

WILSON, K. S. See VANDELL, 278 WINTER, S. T. See BERGER, A., 493 WISNIEWSKI, J. See BROWN, W. T., 833

WOLFF, L. and ZARFAS, D. E.: Parents' attitudes towards sterilization of their mentally retarded children (abstr.), 553

WOLFF, P. H., GUNNOE, C. E. and COHEN, C.: Associated movements as a measure of developmental age, 417

WOLKIND, S. and KOZARUK, A.: Adoption of children with medical handicap (abstr.), 685

WOLRAICH, M., HAWTREY, C., MAPEL, J. and HENDERSON, M.: Results of clean intermittent catheterisation and adjuvant therapy in children with neurogenic bladders (abstr.), 105; See also McNeal, D. M., 105, 612; SCHULTZ, F., 106

WOODS, J. R., COPPES, V., BROOKS, D. E., FREEMAN, M., KNOWLES, P. J., PARISI, V., O'MARA, P. and MCCARTHY, G. E.: Measurement of visual evoked potential in the asphyctic fetus and during survival (abstr.), 410

YABUUCHI, H. See SUGITA, T., 550

YAGEL, S. K. See YOUNG, R. S. K., 95

YNGVE, D. A., DOUGLAS, R. and ROBERTS, J. M.: Cable-type reciprocating gait orthosis in myelomeningocele (abstr.), 116

Younes, R. P., Rosner, B. and Webb, G.: Neuroimmaturity of learning disabled children: controlled study, 574

YOUNG, I. D. and HARPER, P. S.: Natural history of the severe form of Hunter's syndrome, 481

Young, R. S. K., Yagel, S. K. and Prensky, A. L.: Is the academic pediatric neurologist an endangered specie? 95

YOUNGBLOOD, W. See GUALTIERI, C. T., 139 YU, U. Y. H. See ASTBURY, J., 709 YULE, W. See DISCHE, S., 67

ZARFAS, D. E. See WOLFF, L., 553
ZIMMERMANN, A. W. See HOLMES, G. L., 601
ZIRING, P. See BENNETT, H. S., 735
ZIVIANI, J.: Qualitative changes in dynamic tripod grip between seven and 14 years of age, 778



Senior Editor

Dr. Martin C. O. Bax

Editors

Dr. J. K. Brown, Prof. K. J. Connolly, Dr. Aidan Macfarlane

Dr. Henry Baird

Assistant Editor Managing Editor Dr. Sue Jenkins Mr. B. Hayes

Editorial Board

Prof. Ross G. Mitchell, Chairman

Dr. D. Gardner-Medwin, Vice-Chairman

Dr. M. Adinolfi

Dr. J. D. Baum

Dr. Eugene E. Bleck

Dr. Arnold J. Capute

Dr. Pamela A. Davies

Dr. Philip R. Dodge

Dr. Joseph S. Drage

Dr. Judy Dunn

Prof. Roger Freeman

Mrs. G. Gorell-Barnes Prof. P. Graham

Mr. A. N. Guthkelch

Dr. Robert. N. Hensinger

Dr. I. McKinlay

Dr. B. G. Neville

Prof. P. E. Polani

Mr. B. A. Roper

Mr. D. Scrutton

Mr. W. J. W. Sharrard

Dr. Hope C. Solomons

